

PMTS 2019 NEWS - For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: Nexturn SA-32PYII

**Absolute Machine Tool Demonstrates 8-axis, 32mm Nexturn SA-32PYII
CNC Swiss-Type Lathe with CNC Indexing 12' Tracer 20
Hydrodynamic Magazine Bar Feeder in Booth 3050 at PMTS 2019**

[LORAIN, OH – JANUARY 2019] Absolute Machine Tools will demonstrate the Nexturn SA-32PYII [Swiss lathe](#) in booth 3050 at PMTS 2019. The standard exchangeable rotary synchronous guide bushing of the SA-32PYII allows changeover from guide bushing to non-guide bushing configuration depending on the application and material. The non-guide bushing mode allows for the use of less expensive non-ground material and greatly reduces remnant length, saving material costs. The SA-32PYII is available packaged with a CNC Indexing Tracer 51V 12' magazine bar feeder, providing excellent overall value in a 32mm Swiss machine.

The SA-32PYII lathe features up to 8 total axes (Z1, X1, Y1, Z2, X2, Y2, C1, C2) and up to 25 total tools. Machining capacity is 32mm on the main and sub-spindle. Maximum turning length is 210mm (8") maximum turning length with a guide bushing and 60mm (2.36") without the guide bushing.

The main 10 hp, 8,000 rpm spindle of the SA-32PYII has a built-in motor spindle for excellent acceleration/deceleration. Full C-axes on both main and sub spindles with 0.001° positioning and pneumatic disc brake clamping maximize rigidity for milling operations. The 5 hp integral-motor synchronous sub-spindle allows simultaneous front and back working processes.

Live tools with 3 hp and 6,000 rpm on the cross mill unit and 1.3 hp and 5,000 rpm on the back end face tools, provide excellent drilling and milling ability. A wide range of milling, drilling, and tapping can be performed. ER-16 collets for the live

tools provide excellent rigidity. Rigid tapping is standard.

The synchronous rotary guide bushing is spline-shaft driven and features a dual-bearing structure with high accuracy and strong bearing support on both ends. The machine can be changed in about 45 minutes to the non-guide bushing configuration.

The CNC Indexing Tracer 51V bar feeder is engineered for use on both Swiss-style and fixed headstock lathes. It accepts bars from 5mm to 56mm (0.196" – 2.204") diameter and up to 3,600mm (12') long. Standard features include dual anti-vibration devices to minimize bar whip and permit high rpm turning, a polyurethane guide channel design with improved vibration dampening and easier changeover, and a large magazine tray to allow for unmanned production.

The SA-32PYII lathe is built for rigidity, accuracy, reliability, and ease of use. The highly rigid one-piece cast iron machine bed is designed using FEM software. Powerful motors for both turning and milling deliver outstanding machining capability. The use of ultra-precision pre-tensioned ball screws and LM guides produce high accuracy. High speed positioning of 1260"/min reduces cycle times.

[Nexturn](#) is the industry leader in Swiss type CNC lathes. Nexturn has many industry firsts, including the first to produce a 38mm CNC Swiss machine. The use of top quality components combined with cutting edge technology produces a state-of-the-art machine with industry leading performance.

Nexturn Co., Ltd., is located in South Korea and has been providing quality machine tools to Asia, Europe and the Americas for more than 15 years. Nexturn occupies a modern facility with a capacity of building 50 machines per month. Nexturn is listed on the KOSDAQ (Korean stock market) since 2006.

For more information, visit [PMTS 2019](#) booth 3050, browse www.absolutemachine.com, or call 800-852-7825

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About Absolute Machine Tools, Inc.

Absolute Machine Tools, Inc. sells and supports Johnford Bridge & Gantry Mills; You Ji Vertical Turret Lathes; Tongtai Horizontal Machining Centers (former Hitachi-Seiki OEM); Quicktech Multi-Axis Multi-Spindle Mill/Turn Centers; Lico Multi-Slide CNC Screw Machines and Twin Spindle Multi-Slide Mill/Turn Centers; Nexturn Swiss-type Lathes; AccuteX Wire EDM and Die Sinker Machines; APEC 5-axis Gantry-style Linear Motor Machining Centers; and Precihole Gundrilling Machines. The company has worked with several of its principal machine tool partners for over 25 years to offer some of the most heavy-duty, accurate, and productive machines in the industry. The company has built its reputation on exemplary applications engineering, service, customer support, comprehensive training, and effective preventive-maintenance programs. In addition to its headquarters in Lorain, Ohio, the company has established direct full-service technical centers in Mason, Ohio; Elgin, Illinois; and Livonia, Michigan. For more information, contact Absolute Machine Tools, Inc. at 800-852-7825 or www.absolutemachine.com.